

In the Claims

1. (twice amended) A An HVAC field located support computer, comprising:

(a) a recorder for recording HVAC system data and equipment data;

(b) a recorder for acquiring and recording HVAC system and equipment operational data from temporary field installed sensors;

(c) a transmitter for transmitting raw HVAC data from the field location to a central computer system for processing;

(d) a receiver for receiving processed and analyzed HVAC data at the field location from the central computer;

(e) a display for displaying a series of prompts to prompt the entry of additional HVAC data as required by the central computer for completion of the HVAC diagnosis/analysis, said HVAC diagnosis/analysis comprising information needed by the HVAC technician to repair any needed functionality of the HVAC system and to increase efficiency of the HVAC system;

(f) a display for displaying the results of the central computer's HVAC diagnosis/analysis; and

(g) a printer for printing out the results of the central computer's HVAC diagnosis/analysis.

2. (previously amended) The HVAC field located support computer of claim 1 wherein at least part of said field support computer is a field located data input, storage and retrieval computer:

3. (previously amended) The HVAC field located support computer of claim 1 wherein at least part of said field support computer is a field located wireless communication device capable of transmitting and receiving computer generated data.

4. (previously amended) The HVAC field located support computer of claim 1 wherein at least part of said field support computer is a central computer system capable of interpreting and analyzing raw HVAC data and providing HVAC analysis and diagnosis based upon the raw HVAC data.

5. (previously amended) The HVAC field located support computer of claim 1 wherein at least part of said field support computer is a centrally located wireless communication device capable of transmitting and receiving computer generated HVAC data.

6. (previously amended) The HVAC field located support computer of claim 1 further comprising an external data store.

7. (previously amended) The HVAC field located support computer of claim 1 wherein said external data store contains HVAC operational data and specifications specific to the HVAC equipment being analyzed/diagnosed.

8. (previously amended) The HVAC field located support computer of claim 1, wherein said external data store contains parts cost and availability specific to the HVAC equipment being analyzed and diagnosed.

9. (previously amended) The HVAC field located support computer of claim 1 wherein the central computer establishes a customer data sheet for historical recording of analysis and diagnosis.

10. (previously amended) The HVAC field located support computer of claim 1 wherein the central computer establishes a customer data sheet for invoicing and billing purposes.

11. (twice amended) A An HVAC field located support computer, comprising:

- (a) a recorder, operable by a field located technician or engineer for recording HVAC system data and equipment data;
- (b) a recorder for acquiring and recording system and equipment operational data from temporary field installed sensors;
- (c) a transmitter for transmitting raw HVAC data from the field location to a central computer system for processing;
- (d) a receiver for receiving processed and analyzed HVAC data at the field location from the central computer;
- (e) a display for displaying a series of prompts to enter additional HVAC data as required by the central computer for completion of the HVAC diagnosis/analysis, said HVAC diagnosis/analysis comprising information needed by the HVAC technician to repair any needed functionality of the HVAC system and to increase efficiency of the HVAC system;
- (f) a display for displaying the results of the central computer's HVAC diagnosis/analysis; and

(g) a printer for printing out the results of the central computer's diagnosis/analysis.

12. (previously amended) The HVAC field located support computer of claim 11 wherein at least part of said field support computer is a field located data input, storage and retrieval computer.

13. (previously amended) The HVAC field located support computer of claim 11 wherein at least part of said field support computer is a field located phone line capable of transmitting and receiving computer generated data.

14. (previously amended) The HVAC field located support computer of claim 11 wherein at least part of said field support computer is a central computer system capable of interpreting and analyzing raw HVAC data and providing HVAC analysis and diagnosis based upon the raw HVAC data.

15. (previously amended) The HVAC field located support computer of claim 11 wherein at least part of said field support computer is a centrally located phone line communication device capable of transmitting and receiving computer generated data.

16. (previously amended) The HVAC field located support computer of claim 11 further comprising means for accessing an external data store.

17. (previously amended) The HVAC field located support computer of claim 11 wherein said external data store contains operational HVAC data and specifications specific to the equipment being analyzed/diagnosed.

18. (previously amended) The HVAC field located support computer of claim 1, wherein said external data store contains HVAC parts cost and availability specific to the equipment being analyzed and diagnosed.

19. (previously amended) The HVAC field located support computer of claim 1 wherein the central computer establishes a customer data sheet for historical recording of analysis and diagnosis.

20. (previously amended) The HVAC field located support computer of claim 1 wherein the central computer establishes a customer data sheet for invoicing and billing purposes.